



10th DLSU Science and Technology Conference
July 23, 2008, Yuchengco Building

Poster Presentations
Venue: Ground Floor, Yuchengco Bldg
Schedule: 11:00-13:00

College	Title	Authors
Business and Economics	Benchmarking the Home Pages of the Top Multinational Non-Manufacturing Non-Trading Corporations in the Philippines	J.O. Tolentino
Engineering	Design, Fabrication and Testing of Mechanical Expeller for Jatropha Oil Extraction	E.T. Ngo, P.E.P. Asumbrado, J.C. Chiong, J.S. To, A.B. Maglaya, L.C. Medina, Jr.
Engineering	Rapid Visual Screening of Buildings (DLSU, CSB, and Vicinity): Using Spatial Data Presentation	C.P. Chua, Y.K.C. Cruz, F.B. Delos Reyes, A.W.C. Oreta
Engineering	An FPGA Based Multifunction Integrated Pipelined Coordinate Rotation Digital Computer	R. Yap, D. Santoso
Engineering	A 1.2V Reduced Output Reference Voltage Bandgap	W.Y. Chung, R. Yap
Science	Hard Ticks (Family Ixodidae) Infesting Cattle	M.J. Cruz-Flores, F.G. Claveria
Science	The Structural Characterization of Metal Carboxylates: Cu(HCOO) ₂ ·4H ₂ O and Cu ₂ (CH ₃ COO) ₄ ·2H ₂ O	J.C. Robles, W.C. Patalinghug
Science	Updates on coenoMAP: An Online Map Library of Philippine Corals	M.W. Vergara, W.R.Y. Licuanan, R. Campos
Science	Terpenoids from Tarazacum Officinale	C.Y. Ragasa, M.J. Apuada, J.A. Rideout
Science	Morphological and DNA Sequence Analysis of the Cytochrome Oxidase (cox1) of a New Record of Acropora in Lian, Batangas and Bolinao, Pangasinan	K.S. Luzon, W.R.Y. Licuanan, M.C. Ablan-Lagman

SATELLITE SYMPOSIUM

Biodiversity Symposium
 July 26, 2008
 0900-1200
 Yuchengco Seminar Room

Speakers:

DR. RAFF BROWN

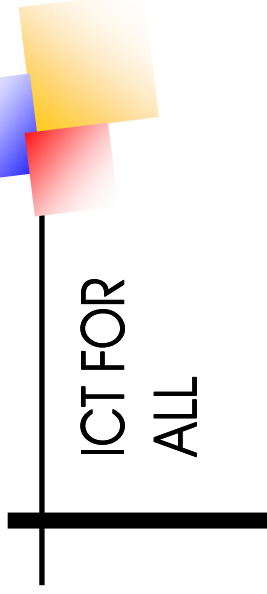
"Establishing Conservation Priorities for Philippine Tarsiers (*Tarsius syrichta*) Using Survey, Population Census, Bioacoustic, and Molecular Conservation Genetic Techniques to Identify Evolutionary Significant Units"

DR. IRENE ARBOLEDA

"Tarsier Work: 10 Years In Retrospect"



The 10th DLSU Science and Technology Congress



ICT FOR ALL

23 July 2008
 4th floor, Yuchengco Bldg.
 De La Salle University
 Manila



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Morning Session: Plenary Lectures, Keynote Speech; Y 407-409

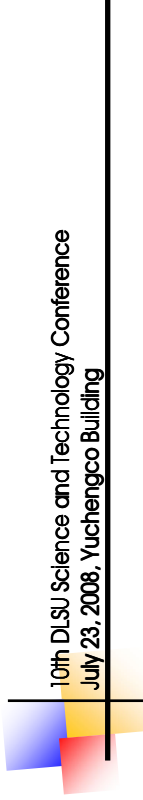
8:00 – 8:30 am	Registration (Yuchengco Lobby)	
8:30 – 8:45 am	Invocation	Mr. Voltaire M. Mistades
	National Anthem	
	Opening Remarks	Br. Armin Luistro FSC President and Chancellor
8:45 – 9:00 am	Tribute to S&T Awardees	
9:00 – 10:15	Plenary Lectures	
	Introduction of Plenary Speakers	Mr. Sherwin Ona
	<i>Plenary Lecture 1:</i> <i>"The Philippine Strategic Road- map for the ICT Sector"</i>	Commissioner Angelo Timoteo Diaz de Rivera e-Government Development Group, Commission on ICT
	<i>Plenary Lecture 2: "</i> <i>Service Science Management and Engineering Curricula for the Services Industry"</i>	Commissioner Monchito B. Ibrahim Cyber Services Group, Commission on ICT
	Open Forum	
10:15 – 11:15	Introduction of Keynote Speaker	Dr. Luis Razon
	Keynote Speech	
	<i>"The Technology Transfer Act"</i>	Hon. Joseph Emilio Abaya Representative, 1 st District of Cavite Chairman, Science & Technology Committee Philippine House of Representatives
	Open Forum	
11:15 – 11:30	Ribbon Cutting and Opening of Exhibits (Yuchengco Lobby)	Hon. Joseph Emilio Abaya
11:30 - 1700	Viewing of posters and exhibits (Yuchengco Lobby)	

Master of Ceremonies:



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3:20 – 3:40 pm	G.A. Gan Lim, R.N.G. Naguib, E.P. Dadios, J.M.C. Avila Using K-Means Clustering to Classify Microscopic Colon Images
3:40– 4:00 pm	C. S. Dizon, J. L. Gan, L. S. A. Go, F. T. Bacani Study of the Effect of Concentration and Amount of Adsorbents in Aqueous Solution using Adsorption Isotherm Data
4:00 – 4:20 pm	C.K.T. Cruz, M.J. Dimaano, F.P.C. Faustino, M.L. Fernandez, A.O. Israel, R.P.V. Palao, A.A.L. Sevilla Investigation of Indoor Air Quality in the Cafeteria of the Mapua Institute of Technology
4:20 - 4:40 pm	J.E.C. Abracia, G. Sena, and A.J. Dizon Earth-Coupled Air Conditioning System
Parallel Session F: Y405 (Science and Computer Studies)	
Session Moderator 1 (1:00-2:20pm): Dr. Jose Tristan Reyes	
Session Moderator 2 (2:40-4:40pm): Dr. Romeric Pobre	
Special Invited Lecture	
1:00-1:40 pm	Dr. Vena Pearl Borlongan Numerical Simulations of Gravity Currents: the Navier-Stokes and Scalar Transport Equations
Oral Paper Presentations	
1:40 - 2:00 pm	N. M. Mabaquiao, Jr. Of Minds, Science and Computation
2:00-2:20 pm	A.S. Jarrah, B. Raposa, R. Laubenbacher Nested Canalizing, Unate Cascade, and Polynomial Functions
2:20-2:40 pm	Break
2:40 – 3:00 pm	R. Bongay, R. Pua, M.L.D. Enriquez Bleomycin induced apoptosis in a human breast cancer line and primary human leukemia cells
3:00 – 3:20 pm	D. Letargo, M.L.D. Enriquez Assessment of DNA Damage in Peripheral Blood Lymphocytes in Filipino Male Radiology Technicians using Single Cell-gel Electrophoresis Assay or Comet Assay
3:20– 3:40 pm	N. N. Lontok, A. A. Ramos and E. V. Garcia Micronucleus Assay on Crude Petchay (Brassica rapa chinensis) Extract: Preliminary Study on its Cancer Chemopreventive Potential
3:40 – 4:00 pm	K.S. Budhrani, I.P. Acosta, R.M. Espiritu, C.C. Ngo, J.L. Wong Speech and Language Intervention Tool (SPEL-IT): House on Phonic Hill
4:00 – 4:20 pm	M.A. Bundang, A.V. Lao, K. Goyena, M. Sy, J.R. Limengco, G. Cu A Behavior-Based Intrusion Prevention System
4:20- 4:40 pm	N.H. Gan, A.M.S. Lao, R.N. Marasigan, M.P.C. Trinidad, J.W. Cu CombiSign: Combined Static and Dynamic Feature Types for Online Signature Verification



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2:00-2:20 pm	M.A.A. Cortez, J.P.R. Rivera, T.S. Tullao, Jr. Opportunities and Constraints in Business Process Outsourcing (BPO) for Accounting and Share Financial Services in the Philippines
2:20-2:40 pm	Break
2:40 – 3:00 pm	C.W. Sy, N.R. Villarojo, K.S. Yu A General Model of an Amateur Sports League: Proof of an Increased Probability of Point Shaving as a Result of the Economic League Structure in UAAP Men's Basketball
3:00– 3:20 pm	G.Q. Po Roles and Competencies of Distance Educators
3:20 – 3:40 pm	C. Goce-Dakila Technological Improvement in Transport Sector: Macro-Micro Linkages Across Space
3:40 – 4:00 pm	D.L. Berino Comparative Performance of Management Science Students in a Blended and Mixed Mode Online Learning Environments
4:00 – 4:20 pm	P.M. De Guzman, P.T. Ibasco, G.J. Palacio The Determinants of Foreign Direct Investments in the Developing World: A Look at Infrastructure for a Base of Philippine Comparison in 2005

Parallel Session E: Y404 (Science and the Environment)

Session Moderator 1 (1:00-2:20pm): Dr. Eric Punzalan
Session Moderator 2 (2:40-4:40pm): Dr. Jose Santos Carandang VI

Special Invited Lecture

1:00 -1:40 pm Engr. Ben Eusebio
Lasalian Institute for the Environment (LIFE)

Oral Paper Presentations

1:40 – 2:00	S.E. Ona Dynamics of Knowledge Management in Agrarian Communities: A Descriptive Approach
2:00 – 2:20 pm	C. Upasen, S.A. Roces, F.T. Bacani, R.R. Tan, M. Kubouchi, P. Yimsiri Microwave Assisted Depolymerization of Polyethylene terephthalate (PET) Packaging Waste
2:20 – 2:40 pm	Break
2:40 – 3:00 pm	E. R. Punzalan Sorption Techniques in Environmental Remediation
3:00-3:20 pm	D.A.M. Aguilar, P.J.M. Dominguez, J.C.V. Obag, E.P. Dadios Bluetooth Mobile Robot Communication Controller Using a Cellular Phone



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Parallel Session A: Y407-409 (ICT Session/Computer Studies)

Session Moderator 1 (1:00-2:20):

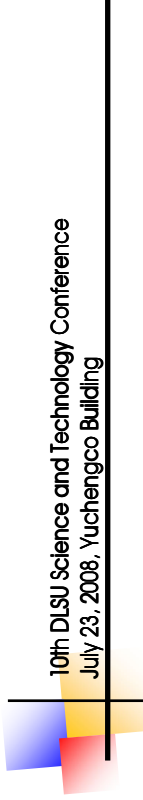
Session Moderator 2 (2:40-5:00):

Special Invited Lecture

1:00-1:40 pm Dr. Celia Reyes
The Role of ICT in CBMS in Advancing Evidence-based Decision Making

Oral Paper Presentations

1:40 – 2:00 pm	Atty. Christopher Cruz Intellectual Property Rights and Information and Communication Technology: Balancing the Freedom and Protection of Knowledge Online
2:00 – 2:20pm	I.J. R. Hecita Civil Society and ICTs: Civil Society Efforts for e-Governance and e-Democracy in the Philippines
2:20-2:40 pm	Break
2:40 – 3:00 pm	C.B. Berrey PREJUDICIAL PUBLICITY: A Disregard of the Constitutional Principle of Right to Privacy in the Global Age of Information and Communication Technology
3:00-2:20 pm	M.S. Correa, E. Mangaliman, K.A. Molera, J.L. Yco, D.C. Cheng Multiplayer Mobile Game IDE
3:20– 3:40 pm	L.C. Tan, R. de Dios Bulos Host Parasite Cooperative Coevolution of Decentralized Controllers in EvoTanks
3:40 – 4:00 pm	S.E. Ona Avenues for Electoral Modernization in the Philippines
4:00 – 4:20 pm	A.P. Azcarraga, A. Caw, L. Lim, M. Ngo Designing a Digital Music Archive for the Visually Impaired
4:20 – 4:40 pm	R. Roxas, M. Del Mundo, L.A. Go, S. Manalili Windows Registry Infection Detection using Malware Source Code Analysis
4:40 – 5:00 pm	J.V. A. Cabanes Net Negotiations: How Filipino Families Domesticate the Internet



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Parallel Session B: Y401 (Engineering)

Session Moderator 1 (1:00-2:20): Dr. Bernardo A. Lejano
Session Moderator 2 (2:40-4:40): Engr. Jason M. C. Ongpeng

Special Invited Lecture

1:00-1:40 pm Engr. Jack Catalan
 SINAG, The World Solar Challenge and Beyond

Oral Paper Presentations

- 1:40 – 2:00 pm A.W.C. Oreta
 Producing Personal Multimedia Presentations to Enhance Classroom Lectures and Seminars
- 2:00-2:20 pm B. A. Lejano
 Simulation of the Stress-Strain Behavior of Locally Produced High Strength Concrete Based on Experimentally Obtained Data
- 2:20-2:40 pm Break
- 2:40 – 3:00 pm B. A. Lejano, P. S. Bellosillo, J.C. Manuel
 Proposed Alternative Reinforced Concrete Pipe Culverts with Nylon Fibers
- 3:00– 3:20 pm R. Gallardo, J. Ongpeng, K. Chan, E. Manalansan, M. Trespesses
 Modeling the Ultimate Confined Compressive Strength and Increase in Strength of Carbon Reinforced Concrete Columns: An Artificial Neural Network Approach
- 3:20 – 3:40 pm R. Gallardo, J.M. Ongpeng, J.V. Manalo, R. M. Mendoza, A. Pangilinan
 Classification of High Rise Projects in Fort Bonifacio using Self Organizing Map
- 3:40 – 4:00 pm E.H. Vitug, A.M. Fillone
 Application of Discrete Choice Modeling to Access Modes of the LRT Systems
- 4:00 – 4:20 pm A.B.T. Ngo, R. Polancos
 A Payment Information System Analysis of Public Buses in the Philippines
- 4:20 – 4:40 pm C. Capiz, V. Peansupap, T. Tongthong
 Evaluation of ISO 9000-based Quality Management Practices: The Case of Construction Companies in Thailand

Parallel Session C: Y402 (Engineering and Education)

Session Moderator 1 (1:00-2:20): Dr. Anthony Chiu
Session Moderator 2 (2:40-5:00):

Special Invited Lecture

1:00-1:40 pm Dr. James Patrick Abulencia
 Biology in a Dynamic World – How Engineers Do It



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Oral Paper Presentations

- 1:40 – 2:00 pm S.A. Bermudez, K.H. Gurtiza, L.S. Hernandez, M. Uy
 A Study on the Physico-chemical Properties and Anti-bacterial Activity of Extracted Garlic Essential Oil using Microwave Assisted Extraction and Steam Distillation
- 2:00-2:20 pm E.A. Gonzalez, F.S. Caluyo
 An Approach for the FIR Realization of a Semi-Differentiator and Semi-Integrator using the Mittag-Leffler Function
- 2:20-2:40 pm Break
- 2:40 – 3:00 pm S.G. Abad III, K.M. C. Chiong, and A.A. Limjap
 Design and Implementation of Ratio and Proportion Software to Evaluate Students' Problem-Solving Competencies
- 3:00– 3:20 pm S.V. Tupas, J.T. Go, and A.A. Limjap
 An Evaluation of Students' Level of Conceptual and Procedural Understanding in Solid Mensuration
- 3:20 – 3:40 pm S. A. Basit, H.T. Ho, C.Z. Castro, C. Carvajal, G. Luna
 Enhancing Mental Model Reasoning in Anaphylatoxic Reaction Through Computer Animation
- 3:40 – 4:00 pm N. A. D. Estimo, and A.A. Limjap
 Investigation of College Students' Cognitive Performance in Trigonometry in a Problem Based Learning Environment
- 4:00 – 4:20 pm C. Villariba-Tolentino
 Experiencing Meaningful Learning through Portfolio Development in Ecology
- 4:20 – 4:40 pm R.O. Roxas, G.A. Fontanilla
 Hybrid Filipino-English Machine Translation System
- 4:40 – 5:00 pm A.M. Pagay, Jr.
 An Investigation of the Cognitive Skills Achievement of Selected Preservice Mathematics Teachers

Parallel Session D: Y403 (Business and Economics)

Session Moderator 1 (1:00-2:20pm): Mr. Raymund Habaradas
Session Moderator 2 (2:40-4:20pm): Mr. Harvey Ong

Special Invited Lecture

1:00-1:40 pm Mr. Dennis Beng Hui
 Role of Technology in SME Development

Oral Paper Presentations

1:40 – 2:00 pm E.R. Sarreal
 The Nexus of Value Chain and Work-Centered Analyses in Examining the Philippine Footwear Industry's Problems and Potential Information Technology (IT) Enablers